(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 1 March 2001 (01.03.2001)

PCT

(10) International Publication Number WO 01/14470 A1

(51) International Patent Classification7: C08K 5/15, C08C 19/36, B60C 1/00

C08L 13/00.

(21) International Application Number:

PCT/EP00/07106

(22) International Filing Date:

25 July 2000 (25.07.2000)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

99116676.0

26 August 1999 (26.08.1999) EP

60/151,358

30 August 1999 (30.08.1999)

- (71) Applicant (for all designated States except US): PIRELLI PNEUMATICI S.P.A. [IT/IT]; Viale Sarca, 222, I-20126 Milano (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SERRA, Antonio [IT/IT]; Via Mantova, 59 - Int. 49, I-16138 Genova (IT).

NAHMIAS NANNI, Marco [IT/IT]; Via della Moscova. 44/1, I-20121 Milano (IT).

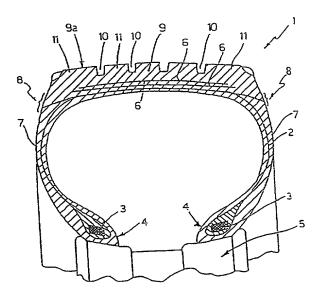
- (74) Common Representative: PIRELLI PNEUMATICI S.P.A.; Viale Sarca, 222, I-20126 Milano (IT).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU. AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR. HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

With international search report.

[Continued on next page]

(54) Title: PROCESS FOR PRODUCING TYRES, TYRES THUS OBTAINED AND ELASTOMERIC COMPOSITIONS USED THEREIN



(57) Abstract: Process for producing tyres, wherein crosslinking is carried out on a composition comprising: (a) an elastomeric polymer containing carboxylic groups, and (b) an epoxidized liquid organic compound containing epoxide groups located internally on the molecule. Upon heating, the elastomeric material reaches a high degree of crosslinking without the addition of conventional crosslinking agents, with crosslinking times maintained within limits which are acceptable for an industrial use. These compositions are particularly suitable for producing tread bands.

The time of time of the time of time of the time of the time of ti

(I

Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.